Simple, Flexible, Affordable Technology

Creative PC-3000 Multi Parameter Monitor

Making Life Flexible, Clear and Simple...

PROACT

CE 0123

CREATIVE MEDICAL

The PC-3000 Monitor Range. Comprehensive Standard Features

Vital Signs Monitor (VSM):

- Compact and lightweight with extremely simple intuitive User Interface
- High Resolution 7" (178mm) Full Colour TFT – 800 x 480 with super wide viewing angle
- Selectable Display Modes - VSM Mode BIG Number Display and Waveform PM Mode Display
- Adult and Paediatric Modes with auto presets which are user adjustable for all parameters
- NIBP Hospital Grade Creative™ Technology - Single Hose with auto set and user adjustable inflation
- SpO_2 Patented Creative™ LFC™ (Light Frequency Conversion) Technology - High accuracy including low perfusion. With options for Nellcor™ and Masimo® SpO_2
- Temperature YSI 400 Compatible for Disposable Oral, Axillary, Rectal and Skin Sensors
- Fully User Adjustable and Programmable Audio/Visual Alarms for NIBP, SpO_2 & Temp parameters
- Defibrillator Protection from Interference
- Short Trend and Waveform Display option with customisable colours for all parameters
- Patient ID entry with 1000 Hr Data Trending for all parameters – Graphical and Data List views
- Built-in Li-ion long life battery (replaceable) with UK and EU compatible power supply
- Bed Rail / Trolley Rail mounting hook – Detachable
- Ethernet Networking Connectivity, USB connector for Optional External Printer
- Supplied with Adult Reusable NIBP Cuff, Adult SpO_2 Sensor, 1 x 9ch/12ch Disposable Temp Probes, Reusable YSI 400 Temp Trunk Cable, UK/EU Power Supply, Dust Cover, User Manual
- 2 Year Warranty with Option to Extend to 5 Years
- Anytime Option to Field Upgrade VSM unit to Patient Monitor by adding ECG/RR at low cost

Patient Monitor (PM) Model ADDS the following:

- 3/5 Lead ECG/RR with Reusable Trunk Cable, 60 Hrs of ECG Waveform Storage
- Arrhythmia and ST Segment Analysis with 2000 Groups of Events Data (HR, TEMP, SpO_2, RR)
- 3 & 7 ECG Leads simultaneous Display Options

Big Number Display for across ward view

3 lead patient monitor waveform display

The Creative™ PC-3000 Vital Signs Monitor (VSM) option is easily field upgradable to full Patient Monitor (PM option) with ECG/RR – just purchase the 1st ECG cable and we will perform a field upgrade to install the 3/5 Lead ECG/RR capability. **Future proof monitoring available now.**

Creative™ PC-3000 Options

- Anytime Option to Field Upgrade VSM option to full Patient Monitor by adding ECG/RR at low cost
- Creative™, Nellcor® or Masimo® Pulse Oximetry (each comes with an Adult Finger Sensor)
- Creative™ Side Stream Capnography with Waveforms and Trending (removes Temperature Parameter)
- External USB Printer
- Full Range of high quality very competitively priced consumables available in all Sizes and Types, Reusable and Disposable, NIBP Cuffs, SpO_2 Sensors, Temp Sensors, $EtCO_2$ Sample Lines with volume and standardization discounts available.
- Trolley Mount, Wall Mount, EMS/Transport Case
- Tax efficient Finance and Lease arrangements available on request.

Clinical Applications

General Hospital Ward and Dept Use, Emergency Dept, Speciality Hospital Areas, Paediatric Wards, Out Patients, Maternity and Labour Depts, Theatre Recovery, General Practice and Minor Surgery Centres, Outreach and Transport, Dental Surgeries… anywhere where high quality affordable Adult/Paediatric Monitoring is needed.

Note: The PC-3000 is not MRI Compatible or suited for use in or near an MRI Magnetic Field

VSM Screen with alarm set up adjust menu

Patient Monitor screen with alarm set up menu

Short Trend & Waveform Display

7 ECG leads with simulataneous display

Parameter Specifications

NIBP

Standards	Creative™ NIBP meets ANSI/AAMI SP10 standard.
Technique	Oscillometric
Cuff Pressure Range	0mmHg - 300mmHg
Pressure Precision	±3mmHg
Cuff Inflation Time	<10 Seconds (typical adult cuff)
Overpressure Protection	Adult / Paediatric 300mmHg
	Neonate 140mmHg
BP Measuring Range	Systolic pressure
	Adult 40mmH-255mmHg
	Paediatric 40mmHg-200mmHg
Mean Arterial Pressure	Adult 20mmHg-215mmHg
	Paediatric 20mmHg-165mmHg
Diastolic Pressure	Adult 10mmHg-195mmHg
	Paediatric 10mmHg - 150mmHg
BP Measuring Accuracy	Maximal mean difference ±5mmHg
Maximal Standard Deviation	8mmHg
Measurement Mode	Adjustable Inflation Pressure, Manual, Auto, STAT

TEMP

Technology	YSI 400 compatible
Measuring Range	25.0°C-45.0°C
Measuring Accuracy	±0.2°C
Responding Time	<45s

SpO_2

Transducer / Technology	Dual-wave length LED
	Creative™ LFC™ Patented Technology
SpO_2 Measuring Range	35% - 100% (Adult and Paediatrics)
Low Perfusion Performance	0.4% ~ 5%
SpO_2 Measuring Accuracy	ARMS (ISO 9919) less than 2% for SpO_2 range
ISO 80601-2-61:2011	from 70% to 100%.
Low Perfusion Performance	0.4%
PR Measuring Range	30bpm - 240bpm
PR Measuring Accuracy	±2bpm or ±2% whichever is greater

ECG

Input Dynamic Range	±0.4mVp-±5mVp
HR Measuring Range	15bpm-350bpm
HR Measuring Accuracy	±1% or ±2bpm, whichever is greater
HR Alarm Delay Time	<10s
Sensitivity Selection	x1/2 x1. x2, tolerance <10%
Sweeping Speed	12.5mm/s, 25mm/s, 50mm/s, tolerance <=10%
ECG Noise Level	<30μVp-p
ECG Input Loop Current	<0.1μA
Input Impedance	>5MΩ
Common Mode Rejection Ratio	>89dB
Time Constant	>0.3s (Monitoring Mode)
	>3.2s (Diagnostic Mode)
Frequency Response	0.5Hz-40Hz (Monitoring Mode)
	0.05Hz-75Hz (Diagnostic Mode)

RESP

RR Measuring Range	0 rpm -120 rpm (respiration per minute)
RR Measuring Accuracy	±5% or ±2 rpm, whichever is greater

OTHER

Power Supply	100-240VAC, 50/60Hz
Rechargeable Li-Ion Battery	14.8V 2200mAh
Display	7" TFT colour LCD with 800x480 px
Alarms	User adjustable Audible & Visual Alarm
Communication	Serial/Ethernet

OPTIONAL ACCESSORIES

Trolley Roll Stand, Wall Mount, External Printer and EMS /Transport Case

Creative™ also supply compatible Central Monitoring options

Configuration Options

Ask one of our Area Sales Managers to upgrade your Creative™ VSM (Vital Signs Monitor) to a Creative™ PM (Patient Monitor) with ECG / RR on site to take full advantage of the PC-3000s entire range of features without having to purchase a new monitor - Just purchase an ECG cable.

VITAL SIGNS MONITORS

Range	Part Number	SpO_2	PR	$EtCO_2$	NIBP	ECG	Temp
PC-3000 VSM	CR-PC3000-41	Creative™	●		●		●
PC-3000 VSM	CR-PC3000-42	Nellcor™	●		●		●
PC-3000 VSM	CR-PC3000-43	Masimo® SET	●		●		●

PATIENT MONITORS (Includes ECG / RR as standard)

Range	Part Number	SpO_2	PR	$EtCO_2$	NIBP	ECG	Temp
PC-3000 PM	CR-PC3000-01	Creative™	●		●	●	●
PC-3000 PM	CR-PC3000-02	Nellcor™	●		●	●	●
PC-3000 PM	CR-PC3000-03	Masimo® SET	●		●	●	●
PC-3000 PM	CR-PC3000-11	Creative™	●	Sidestream	●	●	
PC-3000 PM	CR-PC3000-12	Nellcor™	●	Sidestream	●	●	
PC-3000 PM	CR-PC3000-13	Masimo® SET	●	Sidestream	●	●	
PC-3000 PM	CR-PC3000-21	Creative™	●	Mainstream	●	●	

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